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ProductInformation

ANTI-DOPAMINE-β-HYDROXYLASE (N-TERMINAL) ANTIBODY, HUMAN

Product Number **D-217**

Product Description

Anti-Dopamine-β-Hydroxylase (N-terminal) was developed in sheep using a synthetic peptide (Cys-Ser-Ala-Pro-Arg-Glu-Ser-Pro-Leu-Pro-Tyr-His-Ile-Pro-Leu-Asp-Pro-Glu-Gly-amide) from the N-terminal region of human dopamine-β-hydroxylase conjugated to KLH as the immunogen. Prepared from IgG fraction of sheep serum by affinity chromatography using the free synthetic peptide coupled to a Sulfo-Link column.

Anti-Dopamine-β-Hydroxylase (N-terminal) reacts specifically with a single (or double) band at 70-75 kDa in samples of SDS-solubilized, DTT-reduced human adrenal medulla subjected to SDS-PAGE. In immunoblotting, cross-reactivity seen with sheep, bovine, dog, rabbit and rat adrenal medulla, but not monkey.

Reagents

Anti-Dopamine-β-Hydroxylase (N-terminal) contains 10% glycerol, 10 mM HEPES (pH 7.2), 20 mM Tris-HCl (pH 7.6), 1 mg/ml BSA, 0.1% PVP-40, 0.05% Tween 20 and 0.1% sodium azide as a preservative.

Precautions and Disclaimer

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

Storage/Stability

Store tightly sealed at –20 °C. Upon initial use, solution should be frozen at –80 °C in working aliquots. Storage in "frost-free" freezers is not recommended. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage, clarify by centrifugation before use.

Product Profile

Recommended working dilution for Anti-Dopamine-β-Hydroxylase (N-terminal) is 1:250-1:1,000 for immunoblotting applications.

References

1. Nagatsu, I., et al. Neurosci. Lett. **120**, 141-145 (1990).
2. Liu, Y., Cynader, M. Dev. Brain Res. **82**, 90-94 (1994).
3. Kemper, C.M., et al. Neuroscience **23**, 981-989 (1987).

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